APR 2 6 DEN	NEERNING A FILI	TED OFFICE (DO/EO/US) NG UNDER 35 U.S.C. 371	09/830	620
NTERNATION	AL APPLICATION NO.	INTERNATIONAL FILING DATE 30 November 1999	PRIORITY DATE CLAIMED 30 November 19	98
THROWNY		MER SHELLS	JC07 Rec'd PCT/PTO	2 6 APR 200
MIRKIN, O NGUYEN,	SonBinh T.			• • • • • • •
Applicant here	with submits to the United S	States Designated/Elected Office (DO/EO/US	S) the following items and other inform	nation:
1 1 57 T	his is a FIRST submission o	f items concerning a filing under 35 U.S.C.	371.	
•	his is a SECOND or SUBSE	COUENT submission of items concerning a	filing under 35 U.S.C. 371.	
3. 🖾 T	his is an express request to b	egin national examination procedures (35 U on of the applicable time limit set in 35 U.S.	.S.C. 371(f)) at any time rather than de C. 371(b) and PCT Articles 22 and 39	
4. 🖾 A	proper Demand for Internat	ional Preliminary Examination was made by	the 19th month from the earliest clair	neu priority date.
5. 🖾 A	copy of the International A	pplication as filed (35 U.S.C. 371 (c) (2))	terretional Burgan)	
a.	is transmitted herew	ith (required only if not transmitted by the I	nici national Durcauj.	
b	has been transmitted	l by the International Bureau. e application was filed in the United States I	Receiving Office (RO/US).	
c. 6. □ A	is not required, as th	LAuriliantian into English (35 U.S.C. 371	(c)(2)).	
6. 🗆 A	translation of the Internatio	nal Application into English (35 U.S.C. 371		
	copy of the International S	earch Report (PCT/ISA/210). the International Application under PCT Ar	ticle 19 (35 U.S.C. 371 (c)(3))	
he 7	Amendments to the claims of	with (required only if not transmitted by the	International Bureau).	
		ed by the International Bureau.		
117 A12	have been transmitter have not been made	; however, the time limit for making such ar	nendments has NOT expired.	
		and will not be made.		
	A translation of the amendme	ents to the claims under PCT Article 19 (35	U.S.C. 371(c)(3)).	
10. D A	An oath or declaration of the	inventor(s) (35 U.S.C. 371 (c)(4)).		i j
	A serve of the International P	reliminary Examination Report (PCT/IPEA/ to the International Preliminary Examination	/409). n Report under PCT Article 36	Ч _с
Ltoma 12	to 20 below concern docur	nent(s) or information included:		
	An Information Disclosure	Statement under 37 CFK 1.97 and 1.90.		
14.	An assignment document for	r recording. A separate cover sheet in compl	liance with 37 CFR 3.28 and 3.31 is in	cluded.
	A FIRST preliminary amend			
		ENT preliminary amendment.		
17. 🗆	A substitute specification.			
	A change of power of attorn			
	Certificate of Mailing by Ex	press Mail		
20. 🖾	Other items or information:			
	Return Receipt Postcard	·		
1				
1				
1				

I. The following fees are submitted: CALCULATIONS PTO USE ONLY SIG NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)): CALCULATIONS PTO USE ONLY International search fee (37 CFR 1.482) (2) paid to USPTO S970.00 S970.00 International search fee (37 CFR 1.482) not paid to USPTO S840.00 S840.00 Unternational preliminary examination fee (37 CFR 1.482) not paid to USPTO S640.00 S840.00 International preliminary examination fee (37 CFR 1.482) not paid to USPTO S640.00 S640.00 International preliminary examination fee (37 CFR 1.482) not paid to USPTO S640.00 S640.00 International preliminary examination fee (37 CFR 1.482) not paid to USPTO S640.00 S640.00 International preliminary examination fee paid to USPTO (37 CFR 1.482) S640.00 S640.00 Entransitional preliminary examination fee paid to USPTO (37 CFR 1.482) S640.00 S100.00 International preliminary examination fee paid to USPTO (37 CFR 1.482) S640.00 S100.00 CLAIMS NUMBRE NELED NUMBRE SCIE FEE AMOUNT S100.00 S130.00 S130.00 CLAIMS NUMBRE FILED NUMBRE SCIE FEE AMOUNT S130.00 S1476.00 S2526.00 S1476.00 S2526.00 S1			_			JC18	Rec	'd PCT/PTO 2	6 APR 2001
L The following uses are submitted: L The following uses are submitted: L Sign ATTORAL FEE (37 CFR 1.452) nor interminitian preliminary examination fee (37 CFR 1.452) not paid to interminitian and service (15 CFR 1.452) not paid to USPTO L Intermitted preliminary examination fee (37 CFR 1.452) not paid to USPTO L Intermitted preliminary examination fee (37 CFR 1.452) not paid to USPTO L Intermitted preliminary examination fee (37 CFR 1.452) not paid to USPTO L Intermitted due (35 CFR 1.452) paid to USPTO (37 CFR 1.452) L Intermitted due (37 CFR 1.452) paid to USPTO (37 CFR 1.452) L Intermitted due (37 CFR 1.452) paid to USPTO (37 CFR 1.452) L Intermitted due (37 CFR 1.452) paid to USPTO (37 CFR 1.452) L Intermitted due (37 CFR 1.452) paid to USPTO (37 CFR 1.452) L Intermitted due (37 CFR 1.452) paid to USPTO (37 CFR 1.452) L Intermitted due (37 CFR 1.452) paid to USPTO (37 CFR 1.452) L Intermitted due (37 CFR 1.452) paid to USPTO (37 CFR 1.452) L Intermitted due (37 CFR 1.452) paid to USPTO (37 CFR 1.452) L Intermitted due (37 CFR 1.452) paid to USPTO (37 CFR 1.452) L Intermitted due (37 CFR 1.452) due (37 CFR 1.452) L Intermitted due (38 CFR 1.4502	LS. APPLICATION D. AF 8130 20								
urcharge of \$130.00 for furnishing the oath or declaration later than □ 20 10 \$130.00 CLAIMS NUMBER FILED NUMBER EXTRA RATE otal claims 102 -20 82 x \$18.00 \$1,476.00 otal claims 102 -20 82 x \$18.00 \$560.00 independent claims 10 -3 7 x \$80.00 \$260.00 Multiple Dependent Claims (check if applicable). Weitiple CALCULATIONS = \$2,556.00 Ital takes to filed (Note 37 CFR 19, 1.27, 1.28) (check if applicable). SUBTOTAL = \$1,263.00 Ital takes to filed (Note 37 CFR 19, 1.27, 1.28) (check if applicable). SUBTOTAL = \$1,263.00 Ital takes to filed (Note 37 CFR 19, 1.27, 1.28) (check if applicable). Ital takes to filed (Note 37 CFR 1.28) (AD (CHER 1.492) (D)) + \$0.00 Processing fee of \$130.00 for furnishing the English translation later than □ 20 □ 30 + \$0.00 State of \$130.00 for furnishing the English translation later than □ 20 □ 30 + \$0.00 State of \$130.00 for furnishing the English translation later than □ 20 □ 30 + \$0.	ASIC NATIONAL Neither international se and International p USPTO but Int International p but international but all claims of	FEE (37 CFR 1.4 tional preliminary arch fee (37 CFR al Search Report r reliminary examin areliminary examin al search fee (37 C reliminary-examin did not satisfy prov reliminary examin satisfied provision	192 (a) (1) - (examination 1.445(a)(2) p not prepared ation fee (37 eport prepared ation fee (37 CFR 1.445(a) ation fee pai visions of PC ation fee pai s of PCT Art	fee (37 CFR 1.482) nor baid to USPTO by the EPO or JPO CFR 1.482) not paid to ed by the EPO or JPO CFR 1.482) not paid to I (2)) paid to USPTO d.to_USPTO (37 CFR 1.4 T Article 33(1)-(4) d to USPTO (37 CFR 1.4 ticle 33(1)-(4)	USPTO 182) 182)	\$84(\$69().00).00).00	CALCULATIONS	PTO USE ONLY
Nomber Priority date (37 CFR 1.492 (6)). RATE CLAIMS NUMBER FILED NUMBER EXTRA RATE Cola Calims 102 - 20 = 82 x \$18.00 \$1,476.00 Independent claims 10 - 3 = 7 x \$80.00 \$\$2560.00 Multiple Dependent Claims (theek if applicable). 80 \$\$260.00 \$\$2560.00 Multiple Dependent Claims (theek if applicable). Year (197) \$\$2526.00 \$\$2526.00 Reduction of 1/2 for filing by small entity, if applicable. Year (197) \$\$2526.00 \$\$2526.00 Reduction of 1/2 for filing by small entity, if applicable. Year (197) \$\$1,263.00 \$\$1,263.00 TOTAL NATIONAL FEE \$\$1,263.00 \$\$1,263.00 \$\$1,263.00 \$\$1,263.00 If for recording the earliest claimed priority date (37 CFR 1.21(h)). The assignment must be mere second assignment (37 CFR 1.21(h)). The assignment must be mere second assignment (37 CFR 1.21(h)). The assignment must be mere second assignment (37 CFR 1.21(h)). The assignment must be mere second assignment (37 CFR 1.21(h)). The assignment must be mere second assignment (37 CFR 1.21(h)). The assignment must be mere second assignment (37 CFR 1.21(h)). The assignment must be mere second assignment (37 CFR 1.21(h)). The assignment must be mere second assignment (37 CFR 1.21(h)). The assignment must be mere second assignment (37 CFR 1.21(h)). The assignment must be mere second as	uncharge of \$130.00	for furnishing the	oath or decla	aration later than)		
CLAMS NUMBER FILED NUMBER FILED NUMBER FILED Status \$\$\$\$18.00 \$\$\$1,476.00 ford claims 10 -3 = 7 \$\$\$\$80.00 \$\$\$50.00 Multiple Dependent Claims (theck if applicable). Ø \$\$22,526.00 \$\$25,526.00 Reduction of 1/2 for filing by small entity, if applicable. Verified Small Entity Statement Ø \$\$1,263.00 Nuts also be filed (Not 37 CFR 1.9, 1.27, 1.28) (theck if applicable). SUBTOTAL = \$\$1,263.00 Processing fee of \$130.00 for furnishing the English translation later than 2 30 + Protessing fee of \$130.00 for furnishing the English translation later than 2 30 + Subtromation of the earliest claimed priority date (37 CFR 1.492 (f)). 0 3 + Bife for recording the enclosed assignment (37 CFR 1.2(f). The assignment must be \$\$1,263.00 \$\$1,263.00 If the commissioner is hereby authorized to charge any fees which may be required, or credit any overpayment \$\$1,263.00 \$\$ If an end out of \$\$1,263.00 to cover the above fees is enclosed. \$\$ \$\$ If an end out of \$\$1,263.00 to cover the above fees is enclosed. \$\$ \$\$ If an end out of \$\$1,263.00 to cover	nonths from the earli	est claimed priority	y date $(37C)$	FR 1.492 (e)).	<u> </u>	DATE		\$130.00	
Iotal claims 102 -2.0 ^m x \$80.00 \$\$560.00 Independent claims 10 -3 7 x \$80.00 \$\$560.00 Multiple Dependent Claims (check if applicable). 83 \$\$2,526.00 \$\$2,526.00 Reduction of 1/2 for filing by small entity, if applicable. 81 \$\$1,263.00 \$\$13,263.00 Processing fcc of \$130.00 for furnishing the English translation later than 20 3 \$\$0.00 Processing fcc of \$130.00 for furnishing the English translation later than 20 3 \$\$0.00 Processing fcc of \$130.00 for furnishing the English translation later than 20 3 \$\$0.00 Processing fcc of \$130.00 for furnishing the English translation later than 20 3 \$\$0.00 Processing fcc of \$130.00 for furnishing the English translation later than 20 3 \$\$0.00 Processing fcc of \$130.00 for furnishing the English translation later than 20 3 \$\$0.00 Processing fcc of \$130.00 for furnishing the English translation later than 20 \$\$0.00 \$\$0.00 Processing fcc of \$130.00 for furnishing the English translation later than 0 0 \$\$0.00 Processing fcc of \$130.00 for furnis	CLAIMS							\$1,476.00	
Independent claims 10 1									
TOTAL OF ABOVE CALCULATIONS = \$2,226.00 Reduction of 1/2 for filing by small entity, if applicable. Verified Small Entity Statement must also be filed (Note 37 CFR 1.9, 1.27, 1.28) (check if applicable). SI 12,63.00 SUBTOTAL = \$1,263.00 Processing fee of \$130.00 for furnishing the English translation later than 20 30 Processing fee of \$130.00 for furnishing the English translation later than 20 30 Processing fee of \$130.00 for furnishing the English translation later than 20 30 Processing fee of \$130.00 for furnishing the English translation later than 20 30 Processing fee of \$130.00 for furnishing the English translation later than 20 30 Processing fee of \$130.00 for furnishing the English translation later than 20 30 Processing fee of \$130.00 for furnishing the English translation later than 20 30 Processing fee of \$130.00 for furnishing the English translation later than 20 30 Processing fee of \$130.00 for furnishing the English translation later than 20 30 Processing fee of \$130.00 for furnishing the English translation later than 120 120 Processing fee of \$130.00 for furnishing the English translation later than 120 120				1			<u> </u>	\$260.00	
Reduction of 1/2 for filing by small entity, if applicable. Verified Small Entity Statement Image: Statement <td>Multiple Dependent</td> <td>Liaims (cneck if a</td> <td>)TAL OF</td> <td>ABOVE CALCU</td> <td>JLATIO</td> <td></td> <td>=</td> <td>\$2,526.00</td> <td></td>	Multiple Dependent	Liaims (cneck if a)TAL OF	ABOVE CALCU	JLATIO		=	\$2,526.00	
Processing fee of \$130.00 for furnishing the English translation later than 20 30 + \$50.00 Months from the earliest claimed priority date (37 CFR 1.492 (f)). TOTAL NATIONAL FEE = \$1,263.00 Interpretendent (37 CFR 1.21(h)). The assignment must be Image: State	Reduction of 1/2 for t nust also be filed (N	iling by small ent	ity if applic	able. Verified Small Enti	ity Statemer	nt	⊠	\$1,263.00	
Processing fee of \$130.00 for furthshing the Lightshing that (37 CFR 1.492 (f)). + \$\$0.00 Important from the earliest claimed priority date (37 CFR 1.21(h)). The assignment must be recompanied by an appropriate cover sheet (37 CFR 3.28, 3.31) (check if applicable). Important is \$\$0.00 Important is the earliest claimed priority is the earliest claimed priority is the earliest claimed priority is \$\$0.00 Important is \$\$0.00 Important is the earliest claimed priority is the earliest claimed priority is the earliest claimed priority is \$\$0.00 Important is \$\$0.00 Important is the earliest claimed priority is the earliest claimed priority is the earliest claimed priority is \$\$0.00 Important is \$\$0.00 Important is the earliest claimed priority is the earliest cla					SUBTO	ΓAL	=	\$1,263.00	
11	Focessing fee of \$13 fronths from the earl	0.00 for furnishing est claimed priorit	g the English y date (37 C	FR 1.492 (1)).			+		
arr TOTAL FEES ENCLOSED = \$1,263.00 A check in the amount of \$1,263.00 to cover the above fees is enclosed. Image: Second Se	11		· ·			EE		\$1,263.00	
Amount to be: \$ Image: Amount to be: \$ Image: Image: \$ Image: A check in the amount of \$1,263.00 to cover the above fees is enclosed. Image: Please charge my Deposit Account No. in the amount of to cover the above fees. Image: Please charge my Deposit Account No. in the amount of to cover the above fees. Image: Please charge my Deposit Account No. in the amount of to cover the above fees. Image: Please charge my Deposit Account No. in the amount of to cover the above fees. Image: Please charge my Deposit Account No. in the amount of to cover the above fees. Image: Please charge my Deposit Account No. 13-2490 A duplicate copy of this sheet is enclosed. Image: The Commissioner is hereby authorized to charge any fees which may be required, or credit any overpayment to Deposit Account No. 13-2490 A duplicate copy of this sheet is enclosed. Image: Image: <th< td=""><td>te for recording the recompanied by an a</td><td>enclosed assignme ppropriate cover sl</td><td>ent (37 CFR heet (37 CFF</td><td>(3.28, 3.31) (CHECK II a)</td><td>phicable).</td><td></td><td></td><td></td><td></td></th<>	te for recording the recompanied by an a	enclosed assignme ppropriate cover sl	ent (37 CFR heet (37 CFF	(3.28, 3.31) (CHECK II a)	phicable).				
Image: Charged Charged S Image: Charge Charge my Deposit Account No. Image: Charge Charg	<u> </u>			TOTAL FEES I	ENCLOS	ED			\$
 A check in the amount of \$1,263.00 to cover the above fees is enclosed. Please charge my Deposit Account No. in the amount of to cover the above fees. A duplicate copy of this sheet is enclosed. The Commissioner is hereby authorized to charge any fees which may be required, or credit any overpayment to Deposit Account No. 13-2490 A duplicate copy of this sheet is enclosed. NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status. SEND ALL CORRESPONDENCE TO: MIAO, Emily McDonnell Boehnen Hulbert & Berghoff 300 South Wacker Drive, Suite 3200 Chicago, Illinois 60606 United States of America 	22 5 20 7 21 5								
 Please charge my Deposit Account No. in the amount of to cover the above fees. A duplicate copy of this sheet is enclosed. The Commissioner is hereby authorized to charge any fees which may be required, or credit any overpayment to Deposit Account No. 13-2490 A duplicate copy of this sheet is enclosed. NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status. SEND ALL CORRESPONDENCE TO: MIAO, Emily McDonnell Boehnen Hulbert & Berghoff 300 South Wacker Drive, Suite 3200 Chicago, Illinois 60606 United States of America January Content of America 	111 							chargeu	-
 Please charge my Deposit Account No. A duplicate copy of this sheet is enclosed. The Commissioner is hereby authorized to charge any fees which may be required, or credit any overpayment to Deposit Account No. 13-2490 A duplicate copy of this sheet is enclosed. NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status. SEND ALL CORRESPONDENCE TO: MIAO, Emily McDonnell Boehnen Hulbert & Berghoff 300 South Wacker Drive, Suite 3200 Chicago, Illinois 60606 United States of America SIGNATURE Emily Miao NAME 35,285 REGISTRATION NUMBER April 26, 2001 	11					:d.		to cover the abo	ve fees.
to Deposit Account No. 13-2490 A duplicate copy of this sheet is enclosed. NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status. SEND ALL CORRESPONDENCE TO: MIAO, Emily McDonnell Boehnen Hulbert & Berghoff 300 South Wacker Drive, Suite 3200 Chicago, Illinois 60606 United States of America Benily Miao NAME 35,285 REGISTRATION NUMBER April 26, 2001				in the a	fibulit of				
1.137(a) or (b)) must be filed and granted to restore the application to pending outcom SEND ALL CORRESPONDENCE TO: MIAO, Emily McDonnell Boehnen Hulbert & Berghoff 300 South Wacker Drive, Suite 3200 Chicago, Illinois 60606 United States of America 35,285 REGISTRATION NUMBER April 26, 2001	to Deposit A	Account No. 1	13-2490	A duplicate copy of thi	s sheet is en	closed.			
MIAO, Emily McDonnell Boehnen Hulbert & Berghoff 300 South Wacker Drive, Suite 3200 Chicago, Illinois 60606 United States of AmericaSIGNATURE35,285 REGISTRATION NUMBER April 26, 2001April 26, 2001	NOTE: Where an 1.137(a) or (b)) mu	appropriate time st be filed and gra	limit under anted to rest	37 CFR 1.494 or 1.495 fore the application to p	has not bee ending stat	n met, : us.	a petit	tion to revive (37 Cl	FR
McDonnell Boehnen Hulbert & Berghoff 300 South Wacker Drive, Suite 3200 Chicago, Illinois 60606 United States of America 35,285 REGISTRATION NUMBER April 26, 2001	SEND ALL CORRE	SPONDENCE TO	D:				h	In	
United States of America 35,285 REGISTRATION NUMBER April 26, 2001	McDonnell Boehnen Hulbert & Berghoff 300 South Wacker Drive, Suite 3200 Chicago, Illinois 60606			Emily Miao					
	United States of A	merica			3	5,285	FRAT	ION NUMBER	
	1					April 2	eG, 20	01	
					-				